

C L A I M S

1. Process to generate heat by burning a liquid fuel in an evaporator burner oven, wherein the liquid fuel comprises a Fischer-Tropsch derived fuel.

2. Process according to claim 1, wherein the Fischer-Tropsch derived fuel boils for more than 90 wt% between 160 and 400 °C.

3. Process according to claim 2, wherein the Fischer-Tropsch derived fuel boils for more than 90 wt% between 160 and 370 °C.

4. Process according to any one of claims 1-3, wherein the Fischer-Tropsch derived fuel comprises a Fischer-Tropsch product which contains more than 80 wt% of iso and normal paraffins, less than 1 wt% aromatics, less than 5 ppm sulphur and less than 1 ppm nitrogen and wherein the density of the Fischer-Tropsch product is between 0.65 and 0.8 g/cm<sup>3</sup> at 15 °C.

5. Process according to any one of claims 1-4, wherein the Fischer-Tropsch derived fuel comprises more than 80 wt% of a Fischer-Tropsch product.

6. Process according to claim 5, wherein the Fischer-Tropsch derived fuel comprises a mineral oil fraction and/or a non-mineral oil fraction.

7. Process according to any one of claims 1-6, wherein the Fischer-Tropsch derived fuel comprises one or more additives.

8. Process according to claim 7, wherein the Fischer-Tropsch derived fuel comprises an odour marker.

9. Process according to any one of claims 7-8, wherein the Fischer-Tropsch derived fuel comprises a colour marker.

10. Process according to any one of claims 7-9, wherein an additive is present which changes the colour of the flame such that is detectable by a yellow flame detector.

5 11. Process according to any one of claim 1-9, wherein an ionisation type flame detector is used to detect the flame of the evaporator burner and wherein the fuel does not contain a metal-based combustion improver.